



Rocky Mountain  
Remediation Services, L.L.C.  
... protecting the environment

Date 10/20/97  
Project Title/Number B. 123 Re: Soil Disturbance  
Permit  
**Engineering**  
Letter of Transmittal

To Ernie Bentsen - Waste  
Ted Hopkins - Compliance  
Ron Heitland - pm/cm  
Skip Chandler - H&S

From D. Hoyt, XL742

WE ARE SENDING YOU ☒ Attached

☐ Shop drawings

☐ Prints

☐ Copy of letter

☐ Change order

☐ Under separate cover via

☐ Specifications

☐ Other

☐ Samples

the following items:

☐ Plans

Copies	Date	Ref. Spec./Drawing No.	Description
1	10/20/97		Attached is information / conditions of our soil disturbance permit for B.123. I need some help to determine what we need to do to comply with the sampling requirements. Please review and give me a call. There is also a Hazardous Waste Determination that must be made.

THESE ARE TRANSMITTED (as checked below)

☐ For approval

☐ Approved as submitted

☐ Resubmit \_\_\_\_\_ copies for approval

☐ For your use

☐ Approved as noted

☐ Submit \_\_\_\_\_ copies for distribution

☐ As requested

☐ Returned for corrections

☐ Return \_\_\_\_\_ corrected prints

☐ For review and comment

☐ Other \_\_\_\_\_

☐ FOR BIDS DUE \_\_\_\_\_, 19\_\_\_\_

☐ PRINTS RETURNED AFTER LOAN TO US

Down Time/Date	Lost Time/Date	Reason

Comments: Thanks! Call me with comments/info.

Dorothy L. Hoyt  
Signature

Printed Name

10/20/97  
Date

# SITE SURVEY DETERMINATION FOR ENVIRONMENTAL AND WORKER EXPOSURE

Authorization No.: FB041005

Project Manager DORTHEA HOYT

Project Title DEMOLITION OF BUILDINGS 123, 113, 114, AND 123S

Date submitted for determination: AUGUST 12, 1997  
(Submit site plan and scope of work to committee)

YES

NO

1. Review completed of historical data to determine location relative to IHSS/SWMU's or other areas of known contamination that may influence the site. Data may include IHSS/SWMU maps and descriptions of sites, previous documented soil, sediment, or water sampling, and documented radiological surveys.

Summary Attached?  
Responsibility ER

Signature

Date

☒

☐

2. Sampling ~~plan~~ required to satisfy <sup>RFLA</sup> ~~IAG~~, Hazardous Waste Determination, or other requirements for environmental sampling.

Summary Attached?  
Responsibility ER

Signature

Date

☒

☐

3. Sampling plan required to satisfy Health & Safety requirements for radiological protection.

Summary Attached?  
Responsibility RE/ EC

Signature

Date

☒

☐

4. <sup>SAFETY</sup> Sampling ~~plan~~ required to satisfy Health & Safety requirements for non-radiological protection.

Summary Attached?  
Responsibility IH

Signature

Date

☒

☐

5. Sampling plan required to satisfy Kaiser-Hill environmental compliance for disposition of soils containing radioactive material above background?

Summary Attached?

Signature

Date

☒

☐



KAISER - HILL  
COMPANY

## INTEROFFICE MEMORANDUM

DATE: October 10, 1997

TO: Dortha Hoyt, RMRS Engineering, x6742, dp 6062

FROM: *JS* Greg Sollner, Compliance and Performance Assurance (C&PA), T130C, X3541

SUBJECT: DISPOSITION OF SOIL EXCAVATED DURING THE ISOLATION OF WATER LINE UTILITIES IN SUPPORT OF THE DEMOLITION OF BUILDINGS 123, 113, 114, AND 123S, AN#FB041005 - GRS-1010-97

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Based upon the following; 1) Environmental Assessment (RMRS, ER Projects/Ops Mgmt., September 11, 1997) 2) SSOC Radiological Engineering Report (H.B. Estabrooks, September 24, 1997) 3) discussions with each of these organizations (October 10, 1997) and 4) HRR documentation of operations and releases in and around Building 123, soil in the proposed excavation area may exceed RFCA Tier II levels. Therefore, disposition of the excavated soil must be in accordance with a statistically valid sampling and analysis plan (SAP). Completion of this sampling plan and verification (written) from Radiological Engineering and ER Projects/Ops Management stating the sampling results support a determination that contamination is less than Tier II is required prior to soil put back into the excavation site.


The SAP must consider the potential for both radiological and non-radiological constituents, and shall receive approval from SSOC Radiological Engineering, ER Projects/Ops Mgmt and Kaiser-Hill C&PA and Analytical Services organizations as a minimum.

Analytical results which identify contamination that exceeds the RFCA Attachment 5 Tier II Levels will require remediation and/or management action(s) in accordance with Attachment 5, Section 4.3 and 5.3 as appropriate.

**Management of excavated/disturbed soil must be consistent with this written direction. Any deviation from the disposition prescribed herein, shall require an additional evaluation and written direction from KH C&PA. Alternative disposition requests must detail the intended soil management strategy and shall include an analytical/technical basis which is supported by Radiological Engineering.**

# Safe Sites of Colorado-Radiological Engineering Soil Disturbance Site Survey/Sampling Report

P. 1 of 2

Authorization Number: FB041005  
Project Manager: D. Hoyt  
Project Title: B123 Isolation/B113,114,123,123S Demolition  
Prepared By:   
H. B. Estabrooks, X3769  
Rad. Engineering No.: 970924-0426  
Date: September 24, 1997

## Scope

This Radiological Survey/Sampling Description applies only to the following tasks:

1. B 123 Utility Isolation: Excavation to Underground Lines in Four Locations, Installing Blank Flanges, Removing Valves
2. Demolition of B113, B114, B123, & B123S: Removal of Walls (Including Stem Walls) to the Foundation Slab; Foundation Slab Remaining

## Radiological Survey/Sampling Description:

Sampling data (attached) indicate that the soil in the excavation is contaminated with Am 241, Pu 239 and U 238 above background. Soils in the excavation area **are not radiologically contaminated above Tier II Levels**. As such, **no radiological controls are required** for this excavation.

Excavation work for the isolation of B123 will be performed in close proximity to a theorized OPWL (# P-57). Excavation will extend from 5 ft. to 8 ft. below grade. The OPW lines were installed from 3 ft. to 8 ft. deep. **Excavation activities must be conducted with care and scrutiny to prevent contact with the OPWL. If any unexpected underground piping is encountered, or any known OPWL, work shall be stopped and Radiological Engineering contacted, prior to resumption of work.**

Since soils in the excavation area are above background, though, all excavated soils must be dispositioned per K-H Environmental Compliance written direction (Karan North X9876). Soils are contaminated slightly above background, and well below 50% of the Tier II levels.

**970924-0426**

**P. 2 of 2**

At the conclusion of activities, excavation equipment shall be surveyed and released in accordance with 4-S23-ROI-03.02

All materials used on this project ,and all waste generated, must be evaluated in accordance with 1-P73-HSP-18.10.

**Any deviation from the currently defined scope of work will require the performance of a new evaluation by Radiological Engineering.**

**If any unusual material/debris or ground water is encountered during this excavation, work must be stopped and Radiological Engineering notified for evaluation prior to continuing.**